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APPLICATION 1	NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/674,612		09/30/2003	Kenji Kasuga	108075-00119	4201
4372	7590	08/06/2004		EXAMINER	
		INTNER PLOTKIN	HO, TU TU V		
	1050 CONNECTICUT AVENUE, N.W. SUITE 400			ART UNIT	PAPER NUMBER
WASHINGTON, DC 20036			2818		
				DATE MAILED: 08/06/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No.	Applicant(s)						
		M					
10/674,612	KASUGA, KENJI	Æ					
Examiner	Art Unit						
Tu-Tu Ho	2818						
ears on the cover sheet with the c	orrespondence addr	ess					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
eptember 2003.							
action is non-final.							
This action is FINAL . 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
vn from consideration. relection requirement.							
drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). lected to. See 37 CFR	l 1.121(d).					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Paper No(s)/Mail Da 5) Notice of Informal P	ate	152)					
	Examiner Tu-Tu Ho Pars on the cover sheet with the	Examiner Tu-Tu Ho Pars on the cover sheet with the correspondence address on the cover, may a reply be timely filled within the statutory minimum of thirty (30) days will be considered timely, ill apply and will expire SIX (6) MONTHS from the mailing date of this compared to the common ABANDONED (35 U.S.C. § 133), date of this communication, even if timely filled, may reduce any september 2003. Partember 2003. Partember 2003. Partember 2004. Partember 2004. Partember 2005. Partember 2006. Partember 2006. Partember 2007. Partember 2008. Partember 2008. Partember 2008. Partember 2009. Partember 200					

Application/Control Number: 10/674,612

DETAILED ACTION

- 1. This application is in condition for allowance except for the following **formal matters:**
 - Claim 21, line 10, "a third memory" which is unclear, and which should be "a third memory cell"
- Claim 1, line 4, "a first memory and a second memory alternately and adjacent to each other in a predetermined direction, wherein the second memory cells have", which is unclear, and which should be

"a first memory <u>cell</u> and a second memory <u>cell</u> alternately and adjacent to each other in a <u>the</u> predetermined direction, wherein the second memory cells <u>have</u> <u>has</u>"

Allowable Subject Matter

2. The following is a statement of reasons for the indication of allowable subject matter: The prior art of record fails to teach or render obvious a semiconductor memory device and a method of arranging memory cells for the memory device having all exclusive limitations as recited in claims 1, 8, 17, 21, 22, 23, comprising a bit line extending in a first direction, a first memory cell (MC1), a second memory cell (MC2), a third memory cell (MC3), and a non-cell region, the non-cell region being adjacent to the MC2, the MC3 being adjacent to the non-cell region, characterized in that: the MC2 is arranged in the first direction and has a geometric shape that is symmetric to the MC1 with respect to a second direction which is perpendicular to the first direction or that the MC2 has a mirror image relationship with respect to a plane which is

perpendicular to the first direction, and in that: the MC3 has an asymmetric geometrical relationship with the MC2 with respect to the second direction.

As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

Any comments considered necessary by applicants should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

- 4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Copies of the references are not being furnished with this Office Action per MPEP § 707.05(a).
 - U.S. Patent 6,373,107 to Nikaido discloses a memory device having four-transistor cells.

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tu-Tu Ho whose telephone number is (571) 272-1778. The examiner can normally be reached on 6:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DAVID NELMS can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Tu-Tu Ho July 22, 2004

HOAI HO
PRIMARY EXAMINER

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